

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001494

## A. CLASSIFICATION OF SUBJECT MATTER

## IPC7 A45F 3/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A45F, A62B, B63C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR : IPC as above

JP (utility models) : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97/30609 A1 (COMASEC INTERNATIONAL SA) 28 AUGUST 1997 See the whole document	1-17
A	US 5346419 A (INTERNATIONAL DIVERS INC.) 13 SEPTEMBER 1994 See the whole document	1-17
A	US 5249890 A (SONIFORM, INC.) 05 OCTOBER 1993 See the whole document	1-17
A	DE 29704328 U1 (AUERGESELLSCHAFT GMBH) 03 JULY 1997 See the whole document	1-17
A	GB 2247653 A (SMETHURST, GEOFFREY) 11 MARCH 1992 See the whole document	1-17
A	JP 3046702 U (YUGEN GAISHA KANENO HOSEI) 17 DECEMBER 1997 See the whole document	1-17

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

04 OCTOBER 2004 (04.10.2004)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR


 Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

MIN, Byong Yug

Telephone No. 82-42-481-5617



**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT/KR2004/001494

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 97/30609 A1	28-08-1997	US 6290111 A AU 2237297 A1 EP 959712 A1 DE 69716133 CO JP 2001500024 T2	18-09-2001 10-09-1997 01-12-1999 07-11-2002 09-01-2001
US 5346419 A	13-09-1994	NONE	
US 5249890 A	05-10-1993	NONE	
DE 29704328 U1	03-07-1997	NONE	
GB 2247653 A	11-03-1992	NONE	
JP 3046702 U	17-12-1997	NONE	